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ALEXANDER NAMED ACTING HEAD OF SOCIAL SCIENCES DEPARTMENT

William M. Alexander, a member of the Cal Poly faculty for the past 11 years, is the new acting head of the Social Sciences Department. Appointment of Dr. Alexander to the position was announced in mid-December by Clyde P. Fisher (Dean of the School of Applied Sciences) and became effective Dec. 15.

The new acting head of the college's Social Sciences Department succeeds M. Eugene Smith, who had also served on an acting basis since June when separate History and Social Sciences Departments were formed. The two disciplines had been combined in a Social Sciences Department for many years before that. Dr. Smith, who was appointed head of the History Department in June, had been head of the Social Sciences Department from 1965 until that time.

Dean Fisher said appointment of Dr. Alexander as interim head of the Social Sciences Department was recommended by tenured members of the department's faculty and had the concurrence of President Robert E. Kennedy. Dr. Alexander's appointment to the post is for the remainder of the present academic year and will allow time for tenured members of the social sciences faculty, working with Dean Fisher, to seek candidates for the department head post, both on campus and throughout the nation.

A native of Oregon, Dr. Alexander holds four earned degrees including two master's degrees and the Doctor of Philosophy Degree in political science. He is a graduate of University of Oregon, Pennsylvania State University, and Oregon State University.

Sabbatical Leave in India

Prior to joining the Cal Poly faculty in 1958, the new acting department head taught in various capacities at all three universities and worked as a management assistant for the U.S. Department of the Interior in Washington, D.C. Dr. Alexander is presently vice chairman of the college Academic Senate, representative of the Academic Senate on the college Academic Council, and cooperated in development of the international agriculture concentration of the college's new Master of Science Degree in agriculture curriculum.

The new acting department head studied the political structure of villages in India and lectured on international relations and public administration at Alagarh Muslim University in India while on sabbatical leave during 1964-65. He studied the effect of mechanical assisted feedback decision systems while on a special research leave at Montana and Colorado State Universities during early 1968.

Among a select list of persons included in the most recent American Men of Science, Dr. Alexander is a member of the American Political Science Association, the American Parliamentary Association, and the California Association for Public Administration Education. He is a member of the Board of Directors of the Natoma Council of Camp Fire Girls, which operates Camp Fire Girls programs throughout coastal, central, and southern San Luis Obispo County.

ARMY COMMISSIONS GO TO 15 GRADUATES

Fifteen young men who completed their studies at Cal Poly early this month were commissioned second lieutenants in the U.S. Army during ceremonies held on campus Dec. 12. They received their gold bars as officers following administration of the oath by Col. William Hastie (head of the Military Science Department) and a brief address by William M. Boyce (Business Administration Department) who retired from the Army as head of the department in 1965.

Five of the new second lieutenants were designated distinguished military graduates for having combined outstanding records in their military studies with excellent performances in their general studies. They were James R. Biermann, John F. Deck, Larry R. Grell, Dennis P. Maher, and Michael G. Wight.

The men commissioned during yesterday's ceremonies brings to 166 the number of Cal Poly graduates who have received Army commissions in recent months after completing the Reserve Officers Training Corps program of the Military Science Department. Since it began operation in 1950, a total of 608 men have received commissions after graduation from Cal Poly and completion of its ROTC program.

The Fall Quarter, which ended early this month, saw some 385 members of the college student body enrolled in voluntary military science courses and ROTC activities. Participation in such programs is in addition to regular degree courses of the college and completion of a bachelor's degree curriculum is a requirement for commissioning.

The new officers, with their degree majors and Army branch shown, are Peter J. Armagost, social sciences, Field Artillery; Biermann, business administration, Finance Corps; Deck, environmental engineering, Corps of Engineers; Timothy L. Dolan, journalism, Infantry; and Grell, aeronautical engineering, Air Defense Artillery.

Also Wayne A. Harrison, agricultural business management, Infantry; Charles D. Javens, physical education, Armor; Robert E. Laffranchi, dairy, Quartermaster Corps; Maher, business administration, Armor; and Craig M. Noble, social sciences, Military Intelligence.

Also George M. Ramos, journalism, Field Artillery; Steven G. Riddell, journalism, Field Artillery; Robert L. Seibly, electrical engineering, Signal Corps; Lawrence E. Stokes, mathematics, Air Defense Artillery; and Wight, biochemistry, Chemical Corps.

ALIEN ADDRESS REPORTS DUE DURING JANUARY AVAILABLE

The federal government requires every person who is not a citizen of the United States to report his address each January. The U.S. Immigration Service has printed Alien Address Report Cards (Form I-53) for this purpose and is making them available at Post Offices, Immigration Service Offices, and at the college Foreign Students Office, Adm-217A, during the month of January.

Members of the college faculty and staff are urged to assist their alien friends, relatives, and/or students by reminding them of this requirement of the Immigration Law. The cards for reporting addresses must be filled out and returned to the office from which they are received before Jan. 31.

SAN LUIS OBISPO, POMONA STUDENTS JOIN FOR ROSE PARADE EFFORT

More than 100 students from the two Cal Polys -- one in San Luis Obispo and the other in Pomona -- will recreate the first day of Spring on the first day of 1970. They're all workers engaged in designing and building the two colleges' entry for Pasadena's 81st Tournament of Roses Parade, Thursday (Jan. 1), according to Al Okuma, a senior architecture major who is chairman of the Cal Poly, San Luis Obispo, student committee for the project.

"That First Day of Spring" is the theme of the float being prepared by the Cal Poly students. Showing the proverbial early bird catching her worm, it is being constructed on three flower-covered islands that will move along the parade route, Okuma said.

A mother bird -- lovingly named "Mama Theta" by her student creators -- occupies the first island with her efforts to pull "Willie, the Worm" out of the "ground." "Josh," a large butterfly, sits atop the second island, and a baby bird, "Baby Hecliff," is perched in a nest atop a tree that occupies the third island. The body of the worm connects the three islands as it coils in and out of the ground.

Like all of the floats constructed for the Tournament of Roses Parade in recent years by Cal Poly students, the 1970 float is animated. The action begins, according to Okuma, when the mother bird begins pulling Willie out of his hole. As she pulls, the three islands come together. The harder she pulls, the more Willie is yanked from his hole, and the closer the three islands come. When Mama Theta lets go, Willie -- his eyes crossed from exhaustion -- slides back into his hole and the three islands move apart again. While all that is going on, Mama Theta's wings flap and her eyes roll; the butterfly's wings flap; and Baby Hecliff's eyes, wings, and beak move as he rocks back and forth.

The two colleges' students have gotten together each of the past 20 years to create an entry for the New Year's Day spectacular in Pasadena. Steven D. Green, a sophomore architecture major at Cal Poly in San Luis Obispo, won the competition for development of a design concept that was conducted among students at both campuses. He based his design on the theme, which was suggested by Ronald R. Simmons, a college staff member at Cal Poly, Pomona.

Planning for the float began in January, according to Okuma, and by March, Green's design had been chosen. The spring and summer months were used for detail design of the float and its animation, and by September, the flowers -- more than 150,000 of them -- had been planted. Although several thousand of the flowers for this year year's combined effort are being grown at Cal Poly in San Luis Obispo, the bulk of them are blossoming in Pomona.

The pace of work on the float really picked up when classes at both campuses began in September. The baby bird, the butterfly, and a number of smaller animals that will adorn the three islands were built in San Luis Obispo, while the major structure for the islands was being developed in Pomona.

Full-time construction efforts began in mid-December when the components built at the campus in San Luis Obispo were transported to Pomona, where final development of the float structure will take place. The float was moved to Pasadena's Rose Palace on Dec. 23. Flowers were harvested late last week and the picking of blossoms and placing of them on the float began Sunday (Dec. 28). Okuma said a crew of nearly 100 students from both Cal Polys were joining in final preparation of the float for inspection by judges and display before millions of viewers who will see the parade.

WHO . . . WHAT . . . WHEN . . . WHERE ? ? ?

Frank J. Hendel (Aeronautical Engineering Department) discussed bioengineering and life support systems as related to the U.S. space exploration program during the dinner meeting of the Vandenberg Section of the Institute of Electrical and Electronic Engineers, which took place in Santa Maria, Dec. 12. Dr. Hendel, who formerly worked on the Apollo program while with North American-Rockwell Company, also addressed a recent meeting of the Exchange Club of San Luis Obispo.

A doctoral dissertation written by Lawrence H. Balthaser (Physics Department) has been cited for its outstanding contribution to the study of geology of Indiana. The paper, written as a requirement for the Doctor of Philosophy Degree, which Dr. Balthaser received earlier this year following completion of his study at Indiana University, concerns the rock structures of southwest Indiana. It was one of two such papers selected to receive the E. R. Cumings Award, which goes annually to the doctoral dissertation on the geology of Indiana, written by a student of the Indiana University Department of Geology, which contributes most to study of the state's geology.

Wallace H. Burt (Business Administration Department) was one of 87 persons from throughout the nation who were selected to take part in the development of a new federal program. He attended a National Institute on the Independent Educational Accomplishment Auditor, which took place in Newport Beach, late last month. The new auditor will emphasize management objectives on all new federal educational programs.

Edward O. Stoffel (Mechanical Engineering Department) served as a judge for the recent "Youth Leadership" award contest of the San Luis Obispo Elks Lodge. Winners of the 1969 contest, according to Stoffel, were Lori Fuchiwaki and Jonathan M. Green, both students at Arroyo Grande Union High School.

Rex Hutton, John Lowry, John Manning, Allen Miller, Chester Scott, and Fred Wild (all Mathematics Department) participated in meetings of the California Mathematics Council's Northern Section, which took place Dec. 5-7 at Asilomar. In related activity, Scott, a member of the college faculty since 1952, has been installed as treasurer of the council's Central Section.

Peter K. Phillips (Facilities Planner) was installed as a member of the Board of Directors of the Santa Barbara Chapter of the American Institute of Architects during the annual installation dinner of the chapter held at the University of California at Santa Barbara, Dec. 13. Phillips, who is immediate past-president of the chapter will serve a three-year term on the chapter board. In addition, he will serve as chairman of the chapter's Social Responsibility Committee and continue to represent the Santa Barbara area AIA chapter in its relationships with the Cal Poly student chapter of AIA.

Stanley B. Brown (Education Department) attended an Educational Research Training Program in Management Tools for Educational Research Leaders, held Dec. 8-12 at Southern Illinois University, under a grant from the U.S. Office of Education. Dr. Brown was particularly interested in the sessions on systems analysis, PERT (Program Evaluation and Review Techniques), and PPBS (Program Planning and Budget Systems) held during the workshop.

Edward Mayo (History Department) has been notified of the completion of all requirements for his Doctor of Philosophy Degree in history by Claremont Graduate School. Dr. Mayo joined the Cal Poly faculty in 1968 after having taught at both Pitzer College and Mt. San Antonio College.

COMING EVENTS -- COMING EVENTS -- COMING EVENTS

College Holiday -- Thursday, Jan. 1. New Year's Day holiday for all Cal Poly faculty, staff, and students.

Registration for Classes -- Friday, Jan. 2, 12 noon to 5 p.m., and Saturday, Jan. 3, 8 a.m. to 6 p.m., Men's Gymnasium. Registration for all students planning to attend Cal Poly during the Winter Quarter.

Varsity Basketball -- Saturday, Jan. 3, 8 p.m., Men's Gymnasium. Cal Poly vs. University of Redlands. Tickets - general admission, \$1.50; students and children, 50 cents.

Classes Begin -- Monday, Jan. 5, all day, campus. Faculty and students begin Winter Quarter classes.

Cal Poly Women's Club Bridge Section -- Monday, Jan. 5, 8 p.m., Dexter Library Building Room 129. Regular meeting with play for both beginning and experienced players. Members invited.

Late Registration -- Tuesday, Jan. 6, through Monday, Jan. 12, all day, Administration Building 219. Late registration for Winter Quarter classes for Cal Poly students.

Cal Poly Women's Club Walking Section -- Tuesday, Jan. 6, 9 a.m., 280 Del Mar Ct., San Luis Obispo. Meeting in home of Mrs. B. A. Dickson. Members invited.

Cal Poly Women's Club Sewing Section -- Tuesday, Jan. 6, 2 p.m., 654 Rancho Dr., San Luis Obispo. Meeting in home of Mrs. Archie Higdon. Members invited.

Cal Poly Women's Club Handcrafts Section (Night) -- Tuesday, Jan. 6, 7:30 p.m., 391 Tolosa Way, San Luis Obispo. Meeting in home of Mrs. F. Sheldon Harden. Members invited.

Cal Poly Staff Club Luncheon -- Thursday, Jan. 8, 12 noon, Staff Dining Room. Scenes from the play, The Holy Terror, by students of San Luis Obispo Senior High School, will be featured on program. Faculty and staff invited.

Varsity Wrestling -- Thursday, Jan. 8, 8 p.m., Men's Gymnasium. Cal Poly vs. University of California at Davis. Tickets - general admission, \$1.50; students and children, 50 cents.

California Professional Metrology Committee -- Friday, Jan. 9, 12 noon, Staff Dining Room. Meeting of coordinating committee for professional programs in metrology; hosted by Cal Poly. By invitation.

Junior College Wrestling Tournament -- Friday, Jan. 9, 7 p.m., and Saturday, Jan. 10, all day, Men's Gymnasium. Annual invitational tournament featuring junior college wrestlers from throughout California; hosted by Cal Poly. Tickets - general admission, \$1.50; students and children, 50 cents.

Varsity Wrestling -- Saturday, Jan. 10, 8 p.m., Men's Gymnasium. Cal Poly vs. Michigan State University. Tickets - general admission, \$1.50; students and children, 50 cents.

Cal Poly Women's Club Modern and Interpretative Dance Group -- Monday, Jan. 12, 7 p.m., Crandall Gymnasium. Regular meeting of the group. Members invited.

SERVICES FOR KIRKPATRICK HELD ON SATURDAY

Funeral services for William M. Kirkpatrick (Agricultural Engineering Department), who died at his home in San Luis Obispo the afternoon of Dec. 24, were held last Saturday (Dec. 27). Interment followed at the Los Osos Memorial Park near Los Osos. Kirkpatrick, who joined the Cal Poly faculty in 1949 after receiving his BS degree from the college, had been in ill health for several months. He had been a member of the faculty continuously since 1953, when he returned after having been employed elsewhere for two years.

In addition to his teaching duties, Kirkpatrick had been active in Cal Poly international education efforts as an advisor to foreign students enrolled under cooperative programs of the U.S. Department of State's Agency for International Development. He had also served as a maintenance engineer advisor for the government of Thailand under a program of the U.S. Foreign Operations Administration.

Those who wish to be invited to contribute to a loan fund for foreign students attending Cal Poly under AID programs, which is being established in Kirkpatrick's memory. Information about the fund and the manner in which contributions may be made is available at the AID Coordinator's Office, Erhart Ag-241, 546-2422.

MUSTANG ROUNDBALLERS SLATE CONFERENCE OPENER SATURDAY NIGHT

San Fernando Valley State College's Matadors will provide the opposition when Head Coach Neale Stoner's Cal Poly basketball varsity opens its 1969-70 California Collegiate Athletic Association season Saturday evening in Men's Gymnasium. Starting time for the game, which is the only event on this week's campus sports calendar, is 8 p.m. A preliminary contest matching the freshman teams of the two colleges is scheduled for 5:45 p.m.

Action through last Saturday evening's road game with University of California at Davis finds the Mustang cagers owners of a 5-3 won-lost record. Since the last issue of Cal Poly Report, they have posted wins over Fresno Pacific College, Sonoma State College, and UC Davis, while dropping close decisions to Azusa Pacific College and University of California at San Diego.

Head Coach Vaughan Hitchcock's varsity wrestling team will not return to action until Jan. 8, when it will host UC Davis' grapplers in a dual match scheduled for 8 p.m. in Men's Gymnasium. In their only action since early December, the Mustang matmet copped seven individual championships while romping to an easy, but impressive championship victory in the Chico State College Invitational Tournament at Chico, Dec. 12-13.

SANTA MARIA FIRM SUBMITS LOW BID ON LANDSCAPE PROJECT

Heatherwood Landscaping of Santa Maria submitted the apparent low bid of \$51,937 for landscaping of the Computer Science Building when bids for the project were opened on campus Dec. 16. The Facilities Planning Office reports that the bid documents have been transmitted to the Office of the Chancellor of the California State Colleges and that a contract award for the project can be expected within the next two to four weeks.

CAL POLY STUDENTS, FACULTY SOLVE NASA "SPACE" PROBLEM

A \$4,400 solution to a "space" problem has been developed by college students for the National Aeronautics and Space Administration.

The multi-billion-dollar agency found its solution in a class project undertaken at Cal Poly. Industrial Technology Department students did not reduce the size of the universe or speed man's journey into its boundless darkness. What they did, however, was reduce the bulkiness of NASA's collection of space vehicle models and make it easier to transport.

Involved in the Cal Poly "space" project was NASA's educational program Spacemobile, which is used to conduct lecture-demonstrations on the nation's man-in-space program at schools and colleges. Space administration officials considered the Spacemobile to be much too large and bulky and to be in bad need of a more dynamic appearance.

The Industrial Technology Department, with faculty member Larry Talbott as coordinator, was selected in early 1968 to submit designs for a new Spacemobile and for new protective containers to house the 16-piece collection. The result of more than 5,000 student-faculty hours rolled out of shops in the Engineering West Building last week and is presently en route to Washington, D.C., for inspection by NASA officials.

\$4,400 Cash Outlay

In addition to the investment of manpower in the project, Cal Poly students and faculty spent some \$4,400, exclusive of costs for the basic pickup vehicle, on materials and tooling for the Spacemobile unit. Talbott said this week that nearly three months were spent on development of designs for the packages for models of 13 space vehicles, packages for models of the Earth and Moon, and for the customized pickup truck to transport them. Spacecraft models for which modern see-through cases were designed included the Apollo, Saturn V, Lunar Module, Allouette, Nimbus, Tyros, Mariner IV, Lifting Bodies, OSO, SST 401, OAO, Surveyor, and Syncom.

After students made presentations to NASA representatives and the Industrial Technology Department had been selected to develop the prototypes for the Spacemobile unit, the logistics of securing materials and manning the project began in mid-1968 and actual work commenced in Sept. 1968.

The containers for the models are cubical and cylindrical in appearance with embedded handles and separate bases and tops. They replace heavy boxes which have made movement of the exhibit a major task. Now, Talbott points out, each model is sheltered in a hat-box-sized container which is made ready for display simply by removing the plastic cylinder or box from its base.

While in transport from place to place, the model collection will ride in specially designed shelves built into the bed of the customized pickup "Limousine." Over the bed of the new Spacemobile is a "bubble" of aluminum, fiberglass, and blue transparent plastic, which protects the models from the elements and rough handling while they are in transport, but, at the same time, allows them to be viewed readily.

Both the model packages and the new Spacemobile are prototypes, according to Talbott, who expects NASA officials to consider more Spacemobile units if they are pleased with the result of the initial Cal Poly effort on the project.

(Continued on Page 8)

37 SELECTED FOR "WHO'S WHO" HONORS

Thirty-seven Cal Poly students have been selected for inclusion in the 1969-70 edition of Who's Who Among Students in American Universities and Colleges. All seniors, they were nominated by Cal Poly's student Awards Committee on the basis of campus leadership and community service. The nomination takes the student's academic standing and co-curricular activities into account.

Inclusion in Who's Who Among Students in American Universities and Colleges entitles the student to use the publication as a reference. The student also receives a certificate recognizing his selection.

Those named, with majors indicated, are Cynthia L. Arey, biological sciences; Barbara Dee Baer, social sciences; Janis Barksdale, home economics; Dick Barrett, physical education; Evelyn Rae Benson, business administration; Pam Billington, business administration; Michael F. Blaine, physical education; Thomas Franklin Burton, mechanical engineering; Marilyn Gay Callaway, home economics; Larry M. Cereghino, business administration; and Leslie S. Ferreira, dairy.

Also David Gomes, dairy; Jilinda Joyce Henderson, animal husbandry; Joan Patricia Keller, mathematics; Robert T. Knowles, history; Lawrence M. Kong, mathematics; Timothy J. LaSalle, dairy; Gerald M. Lovelace, electronic engineering; Joseph C. McGahan, aeronautical engineering; Kenneth A. Morrison, architecture; Donald F. Neel, printing technology and management; Wayne Parks, agricultural engineering; and Michael L. Phillips, business administration.

Also GERALYN Jean Rahmn, social sciences; George M. Ramos, journalism; Steve Rasmussen, architecture; Virginia Reed, journalism; Newton L. Roberts, agricultural business management; Stephen B. Sefton, business administration; William C. Senter, crops production; Tamsen M. Taylor, animal husbandry; Carole Jean Vedder, home economics; Rex Whisnand, agricultural business management; Jacqueline R. Williams, ornamental horticulture; John T. Wootan, business administration; and Alan K. Yecny, mechanized agriculture.

CAL POLY STUDENTS, FACULTY SOLVE N A S A "SPACE" PROBLEM (Continued from Page 7)

Talbott believes the experience of purchasing materials, working with the plastics and other materials, and managing such an undertaking, have all been valuable to students of the Cal Poly department. Filling the larger order for the Spacemobile units would extend that opportunity to other students.

Two other members of the Industrial Technology Department faculty -- Roger Keep and Dennis Potter -- and three members of its student body are credited by Talbott with major roles in development of the prototypes. Both Keep and Potter carried out important supervisory responsibilities. Keep, a new member of the Cal Poly faculty this fall, took up duties vacated by Potter when he left his teaching duties for graduate study under a federal fellowship at Utah State University in September.

James Jenkins, Jerry Bowser, and Lloyd Gray fulfilled leadership roles among students who worked on the project. Jenkins, a senior who expects to complete study for his Bachelor of Science Degree this year, is from East Peoria, Ill., while Bowser, a junior, is from Los Angeles, and Gray, a sophomore, is from Santa Maria.

Typewritten copy intended for the next issue of <u>Cal Poly Report</u> must be received prior to 12 noon Friday, Jan. 2, in the Office of Information Services, Adm-210.
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PROMOTIONS ANNOUNCED FOR MEMBERS OF COLLEGE SUPPORT STAFF

Thirty members of the college support staff were promoted to higher level positions during the Fall Quarter, according to Milton Piuma (Staff Personnel Officer). The individuals who were promoted are listed below by the school or division of their assignment. Their department and new classification are also shown.

School of Agriculture

Mrs. Celia Brandon, Bureau of Agricultural Education	Departmental Secretary I-B
Mrs. Helen Garing, Agency for International Development	Departmental Secretary I-B

School of Applied Arts

Mrs. Sue Giroux, Education	Clerical Assistant III-A
June Langston, Printing Technology and Management	Departmental Secretary I-B
Mrs. Lorraine Ridgeway, Business Administration	Departmental Secretary II-B
Mrs. Diana Schlitz, Physical Education	Departmental Secretary II-B
Mrs. Shirley Taylor, English	Departmental Secretary I-B
Mrs. Ruth Tomson, Education	Clerical Assistant III-A
Boyd Wettlaufer, Audio-Visual	Photographer II

School of Applied Sciences

Pat Carson, Chemistry	Departmental Secretary II-B
Mrs. Barbara Ciesielski, Physics	Departmental Secretary II-B
Mrs. Pat Knapp, Biological Sciences	Departmental Secretary II-B
Mrs. Joan Stadt, College Library	Departmental Secretary II-B

School of Architecture

Mrs. Maxine Bellatty, Dean's Office	Clerical Assistant III-B
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School of Engineering

Mrs. Cassie Harris, Industrial Technology	Departmental Secretary II-B
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Business Affairs Division

Mrs. Doris Barrowman, General Office	Duplicating Machine Operator II
Cy Casady, Plant Operations	Carpenter I
Mike Cook, General Office	Clerical Assistant III-A
Mrs. Marge Edmondson, Payroll Services	Payroll and Personnel Transactions Clerk II
Joe Lambeth, Grounds	Automotive Equipment Operator I
Mrs. Dorothy McDonald, General Office	Supervising Telephone Operator I
Al Miller, Plant Operations	Sheet Metal Worker
Dotti Munro, General Office	Mail Clerk
Al Scamara, Plant Operations	Skilled Laborer
Verne Tollefson, Accounting Office	Senior Clerk

FLOWER DESIGN WILL BE TOPIC OF NON-CREDIT COURSE

Floral design -- from using cut flowers to arrangements for centerpieces -- will be the topic of a special non-credit course that will be offered by the Ornamental Horticulture Department during the Winter Quarter. The course, which will be open to anyone who wishes to enroll, will take place beginning at 7:30 p.m. Wednesday evenings at the Ornamental Horticulture Unit. Robert Gordon (Ornamental Horticulture Department) will teach the 10-week course, which is slated to begin Jan. 14.

Gordon, a member of the American Institute of Floral Design, said this week that subjects to be covered during the special sessions will include basic floral design, utilizing cut flowers and local garden materials, arrangements with accessories, and creation of centerpieces. Those taking part will provide their own floral materials in order that they can learn to work with readily available flowers and garden materials. Materials will also be available at cost from the Ornamental Horticulture Unit for those who do not otherwise have access to them.

Enrollment for the course will be limited to 25 persons, according to Gordon, who said a fee of \$25 will be charged to cover costs of the course, which is being offered by the Cal Poly department over and above its regular instructional program. Those interested in learning more about the special course are invited to contact Gordon at his office, Erhart Ag-210, 546-2270.

COLLEGE ADMINISTRATIVE POSITIONS AVAILABLE

Information on the administrative positions at the college and university listed below is available in the Placement Office, Adm-213, 546-2501, for those interested in learning more about them:

Humboldt State College - Vice President for Administrative Affairs, \$21,936 - \$26,676 in four steps.

University of Nebraska at Omaha - Dean of the College of Arts and Sciences, salary competitive with generous fringe benefits.

PROMOTIONS ANNOUNCED (Continued from Page 9)

Student Affairs Division

Mrs. Leona Horvath, Health Center
Mrs. Joyce Palmer, Admissions Office

Clerical Assistant II-B
Clerical Assistant II-B

General Administration

Mrs. June Alvarez, Personnel Office
Mrs. Linda Price, Educational Services Office
Mrs. Diane St. John, Executive Dean's Office

Secretary, Range B
Secretary, Range B
Secretary, Range B

Piuma indicated that several reclassification requests, which will result in additional staff promotions, are currently pending approval by the Chancellor's Office. He hopes to announce these promotions in the near future.

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CAL POLY GRADS PLACE HIGH IN NATIONAL DESIGN COMPETITION

Four young men who completed their degree studies at Cal Poly earlier this year have made a virtual sweep of the top awards in the 1969 Engineering Student Design Competition of the James F. Lincoln Arc Welding Foundation. Raymond R. Cleone of Napa and Dale W. Denio of Bakersfield, both mechanical engineering majors while at Cal Poly, shared the \$1,500 first award, and Barry A. Klein of Glendale and Kai Viggio Munch of Sandvika, Norway, both architecture students as undergraduates, shared a \$1,000 second award.

In addition to the awards shared by the students, Cal Poly's Mechanical Engineering Department and School of Architecture both received \$300 awards recognizing the accomplishments of their former students.

The contest, sponsored by the foundation, which has its headquarters in Cleveland, Ohio, is held annually with engineering students from colleges and universities throughout the nation competing for a total of \$22,000 in prizes. Entries in both the graduate and undergraduate divisions must be solutions to engineering problems related to either steelwork for any type of structure, or to any type of product, machine, or device constructed or manufactured primarily of metal.

Colleges and universities represented by award-winning entries in the 1969 competition included University of Wyoming, University of Cincinnati, University of Delaware, Washington State University, Purdue University, Cornell University of New York, and New York University.

Cleone and Denio combined their efforts on the design and construction of the four-wheel drive, articulated, pivoted vehicle which they entered in the contest. They were advised by F. S. Crane (Mechanical Engineering Department). The entry titled "Tetradecahedron -- A Design and Structural Analysis in a Building System" won the second award for Munch and Klein. They were advised by Hans Mager (School of Architecture).

ENGINEERING CONFERENCES SLATED DURING JANUARY

Two engineering conferences being planned for January are expected to draw 900 representatives of business, industry, and education to Cal Poly and the City of San Luis Obispo. Some 600 persons are scheduled to attend the 12th annual workshop of the California Association of the Refrigeration Service Engineers Society, Jan. 16-17. Another 300 persons are expected to attend the annual mid-year meeting of the Graphics Division of the American Society for Engineering Education, Jan. 21-24.

Although Cal Poly facilities will be used for sessions of both gatherings, those in attendance at both conferences are expected to use local motel and hotel accommodations for lodging during the stay in San Luis Obispo.

Guests, including some 30 high school students from throughout California, are expected to join 500 members for the CARSES workshop. The association, with some 2,400 members in Arizona, Nevada, Hawaii, and California, is part of the Refrigeration Service Engineers Society, which has about 20,000 throughout the nation and world.

Representatives of colleges, universities, business and industries located throughout the U.S. and Canada are anticipated for the ASEE Graphics Division meeting. With more than 900 members, it is one of several special interest groups within the engineering education society, which has more than 50,000 members.

SEVEN OPENINGS ON SUPPORT STAFF LISTED BY PERSONNEL OFFICE

Seven vacant positions on the support staff of the college have been listed by Milton Piuma (Staff Personnel Officer). The positions, which are posted on the bulletin board located in the Personnel Office, Adm-111, 546-2236, are:

Editorial Aide (temporary, half-time), Information Services Office, Administration (\$281-\$341).

Senior Clinical Laboratory Technologist, Health Center, Student Affairs Division (\$801-\$973).

Athletic Equipment Attendant I, Physical Education Department, School of Applied Arts, (\$457-\$556).

Clerical Assistant II-A, Library, School of Applied Sciences (\$435-\$530).

Clerical Assistant II-B, School of Architecture (\$469-\$571).

Clerical Assistant II-B (temporary, half-time), School of Engineering (\$234.50-\$285.50).

Groundsman, Grounds Department, Business Affairs Division (\$535-\$619).

SALARY CHECKS WILL BE AVAILABLE FRIDAY

Salary warrants for the December pay period for members of the college faculty and staff will be available Friday (Jan. 2). They may be picked up in the Business Affairs Division Office, Adm-114.

INFORMATION ON SUMMER INSTITUTES, SHORT COURSES AVAILABLE ON CAMPUS

Some 100 colleges and universities throughout the nation will be offering research participation, summer institutes, and short courses for interested faculty members, according to George Clucas (Director of Research and Development). Such programs are financed by the National Science Foundation with travel and stipends usually included. Those interested in learning more about them are invited to contact the Office of Research and Development, Adm-301, 546-2630, and ask for NSF brochure 69-U-69.

NURSE VOLUNTEERS SOUGHT BY CAL POLY WOMEN'S CLUB

Members of the Cal Poly Women's Club who are registered nurses are being sought by the club to assist with the spring Blood Bank drawing at the college Health Center. Those who are willing to do so are asked to contact either Mrs. Chester Young (543-1390) or Mrs. Donald S. Nelson (543-2525).

DEADLINE FOR INSURANCE PROGRAM SIGNUPS FOR NEW EMPLOYEES IS THIS WEEK

The deadline for members of the faculty and staff who were initially employed by the college in September of this year to sign up for any of the insurance programs is this week. Additional information about the insurance programs is available at the Personnel Office, Adm-111, 546-2236.